BEFORE THE PITTSBURG POWER COMPANY OF THE CITY OF PITTSBURG

In the Matter of:

Adoption of the Revised Pittsburg)	
Power Company Renewable Energy)	RESOLUTION NO. 14-308
Resources Procurement Plan for)	
Island Energy	_)	

The Board of Directors of the Pittsburg Power Company, a Joint Powers Authority, DOES RESOLVE as follows:

WHEREAS, by Resolution 11-258, Pittsburg Power Company ("PPC") Board of Directors adopted the Pittsburg Power Company Renewable Portfolio Standard ("RPS") Enforcement Plan Applicable to Island Energy (Enforcement Plan); and

WHEREAS, the Enforcement Plan requires the PPC Board of Directors to adopt a Renewable Energy Resources Procurement Plan (Procurement Plan) with a cost limitation provision; and

WHEREAS, the Board used its authority under the Enforcement Plan to establish a cost limitation of \$20,000 per year for the procurement expenditures used to comply with the minimum RPS requirement; and

WHEREAS, the Board adopted a revised Procurement Plan in November 2013 that was in compliance with the California Energy Commission's Enforcement Procedures for Local Publicly Owned Utilities (CEC Enforcement Procedures) adopted by the Commission in August 2013; and

WHEREAS, Island Energy's increased load and system loss reduction have significantly increased its revenues and allow it to increase the cost limitations with no impact on rate payers; and

WHEREAS, staff expects Island Energy to meets is RPS goals without exceeding its revised cost limitations; and,

WHEREAS, a public notice has been posted announcing the presentation of the Plan and the public has been given the opportunity to public comment on the Plan.

NOW, THEREFORE, the Board of Directors finds and determines as follows:

- <u>Section 1</u>. The above recitals are true and correct and have served as the basis, in part, for the findings and actions of the Board set forth below.
- Section 2. The Board adopts the revised Pittsburg Power Company Renewable Energy Resources Procurement Plan for Island Energy (revised December 2014).
- Section 3. The Board grants the Executive Director the authority to make minor technical modifications to the plan necessary to insure the plan is in

compliance with RPS legislation and regulations.

Section 4. The Board directs the Executive Director to implement the Plan and grants

him necessary authority to fulfill this directive, including the execution of contracts for the purchase of necessary RPS-eligible renewable energy

resources.

Section 5. This Resolution shall take effect immediately upon adoption.

APPROVED AND ADOPTED by the Pittsburg Power Company Board of Directors at a regular meeting on the 15th day of December 2014, by the following vote:

AYES: Casey, Craft, Evola, Johnson, Longmire

NOES: None

ABSTAINED: None

ABSENT: None

Dwaine "Pete" Longmire, Chair

ATTEST:

Joe Sbranti, Executive Secretary

Pittsburg Power Company Renewable Energy Resources Procurement Plan For Island Energy (Revised December 2014)

This Renewable Energy Resources Procurement Plan ("<u>RPS Procurement Plan</u>") shall apply to Island Energy ("<u>IE</u>"), the municipal electric and natural gas utility that Pittsburg Power Company ("<u>PPC</u>") operates on Mare Island in Vallejo, CA.

Section 1: Definitions

The definitions set forth in Public Resources Code ("PRC") § 25741 and Public Utilities Code ("PUC") § 399.12 are incorporated herein. Capitalized terms in this RPS Procurement Plan, as first identified in parentheses, shall have the meaning given to such term in the body of this RPS Procurement Plan

Section 2: Previous Adoption of the RPS Enforcement Plan

As required in Senate Bill 2 in the 2011-2012 First Extraordinary Session ("SB 2-1X") with respect to California's Renewables Portfolio Standard ("RPS"), the IE Board adopted the Pittsburg Power Company Renewable Portfolio Standard Enforcement Plan Applicable to Island Energy ("RPS Enforcement Plan") on December 19, 2011. Through the RPS Enforcement Plan, the IE Board established three compliance periods consistent with SB 2-1X, adopted RPS-eligible procurement goals for each of the three compliance periods and described the framework for how IE would implement the requirements and measures in SB 2-1X with respect to the RPS plan. Section 10 of the RPS Enforcement Plan directed the Executive Director to develop and present an RPS Procurement Plan to the IE Board.

Section 3: Purpose

This document comprises PPC's revision of its previously adopted RPS Procurement Plan for IE. This revised RPS Procurement Plan describes how IE will achieve its RPS procurement requirements consistent with optional compliance measures specified in SB 2-1X and applicable to IE's status as a small publicly owned utility ("POU"). The previous procurement plans were adopted prior to the finalization of the California Energy Commission's ("CEC") Enforcement Procedures for the Renewables Portfolio Standard for Local Publicly Owned Utilities ("CEC Enforcement Procedures"). These CEC Enforcement Procedures have the CEC's interpretation of the SB2-1X legislation in a number of areas that affect IE. Furthermore, IE's expectation of cost of certain renewable electricity products has changed since the initial RPS Procurement Plan.

Section 4: Specified RPS Procurement Targets

In the RPS Enforcement Plan, the PPC Board adopted general RPS procurement targets for each of the three compliance periods. Pursuant to PUC § 399.30(b) and (c), the IE Board adopts and further specifies the RPS procurement targets, as follows:

Compliance Period 1

Prior to the final release of the CEC Enforcement Procedures, IE had procured Eligible Renewable Energy Resources in an amount, which satisfies approximately 100% of its total projected RPS procurement obligation for the three-year period beginning January 1, 2011 and ending December 31, 2013 ("Compliance Period 1"). However, all of those procured resources were unbundled Renewable Energy Credits ("RECs") from Portfolio Content Category ("PCC") 3. The final CEC Enforcement Procedures indicate that for Compliance Period 1, no more than 25% of IE's planned RPS procurement pursuant to contracts signed after 2010 could be satisfied with PCC3 RECs. This revised RPS Procurement Plan directs IE to purchase as much PCC1 Eligible Renewable Energy Resources as can be obtained through the end of Compliance Period 1 such that the additional costs of these purchases will not cause IE to exceed its established cost limitations for Compliance Period 1. It is expected that the established cost limitations for Compliance Period 1 will prevent IE from achieving its PCC1 procurement targets. Therefore, no procurement of PCC2 resources is contemplated for the first compliance period. The following table provides additional detail regarding the IE's Compliance Period 1 procurement targets with regard to each of the Portfolio Content Category products that have been described in the RPS.

	2011	2012	2013	Total
Actual/Forecasted Retail Sales	16,978	17,072	17,180	51,230
RPS Procurement Obligation (% of total)	20%	20%	20%	
RPS Procurement Obligation (MWh)	3,396	3,414	3,436	10,246
Procurement of Portfolio Content Category 0	77	280	250	607
Target Procurement of Portfolio Content Category 1 *	1660	1567	1593	4820
Planned Procurement of Portfolio Content Category 1 **	0	0	1,570	1,570
Planned Procurement of Portfolio Content Category 2	And the second of the second o	0	0	0
Maximum Procurement of Portfolio Content Category 3	property of the second	The second secon	The second secon	523
Actual Procurement of Portfolio Content Category 3	0	6,800	3,500	10,300

Note: Annual procurement targets are for planning purposes only.

- * Target Procurement of Portfolio Content Category 1 is the minimum PCC1 procurement required if there were no cost limitations.
- ** Planned Procurement of Portfolio Content Category 1 is expected PCC1 procurement given prevailing prices of PCC1 and established cost limitations.

Compliance Period 2

For the three-year period beginning January 1, 2014 and ending December 31, 2016, IE shall procure, subject to its then established cost limitations, sufficient RPS-eligible resources to equal the sum of the following: (20 percent of 2014 retail sales) + (20 percent of 2015 retail sales) + (25 percent of 2014 retail sales). IE shall not be required to procure a specific quantity of RPS-eligible resources in any individual year during this compliance period. Should its cost limitations prevent it from procuring its target requirements, IE will procure a blend of resources from each PCC such that the minimum required percentage of PCC1 resources and the maximum allowed percentage of PCC3 resources are maintained.

	2014	2015	2016	Total
Forecasted Retail Sales	20,000	21,000	22,000	63,000
RPS Procurement Obligation (% of total)	20%	20%	25%	
RPS Procurement Obligation (MWh)	4,000	4,200	5,500	13,700
Procurement of Portfolio Content Category 0	250	250	250	750
Minimum Procurement of Portfolio Content Category 1	2,438	2,568	3,413	8,419
Residual Procurement of Portfolio Content Category 2	750	790	1,050	2,590
Maximum Procurement of Portfolio Content Category 3	563	593	788	1,943

Note: Annual procurement targets are for planning purposes only.

Compliance Period 3

For the four-year period beginning January 1, 2017 and ending December 31, 2020, IE shall procure sufficient RPS-eligible resources to equal the sum of the following: (27 percent of 2017 retail sales) + (29 percent of 2018 retail sales) + (31 percent of 2019 retail sales) + (33 percent of 2020 retail sales). IE shall not be required to procure a specific quantity of RPS-eligible resources in any individual year during this compliance period. Should its cost limitations prevent it from procuring its target requirements, IE will procure a blend of resources from each PCC such that the minimum required percentage of PCC1 resources and the maximum allowed percentage of PCC3 resources are maintained.

	2017	2018	2019	2020	Total
Forecasted Retail Sales	23,000	24,000	24,500	25,000	96,500
RPS Procurement Obligation (% of total)	27%	29%	31%	33%	
RPS Procurement Obligation (MWh)	6,210	6,960	7,595	8,250	29,015
Procurement of Portfolio Content Category 0	250	250	250	250	1,000
Minimum Procurement of Portfolio Content Category 1	4,470	5,033	5,509	6,000	21,012
Residual Procurement of Portfolio Content Category 2	894	1,007	1,102	1,200	4,203
Maximum Procurement of Portfolio Content Category 3	596	671	735	800	2,802

Note: Annual procurement targets are for planning purposes only.

Subsequent Annual Compliance Periods

For each subsequent annual compliance period, IE shall, subject to its cost limitations, procure sufficient RPS-eligible resources to equal to an average of 33 percent of retail sales. Should its cost limitations prevent it from procuring its target requirements, IE will procure a blend of resources from each PCC such that the minimum required percentage of PCC1 resources and the maximum allowed percentage of PCC3 resources are maintained.

Section 5: RPS Procurement Requirements

PUC § 399.30(c)(3), consistent with PUC § 399.16, as implemented in the CEC Enforcement Procedures, specifies certain procurement requirements that are applicable to "electricity products," which refers to either: (1) electricity and the associated REC generated by an eligible renewable energy resource; or (2) an unbundled REC.

A. <u>Procurement Associated with Pre-June 2010 Contracts and Ownership Agreements</u>

Pursuant to PUC § 399.16(d), electricity products associated with contracts or ownership agreements that were executed prior to June 1, 2010 and which met certain specified eligibility requirements, must count toward the POU's RPS Procurement Targets without regard to the PCCs.

B. <u>Procurement Associated with Post June 2010 Contracts and Ownership</u> Agreements

Pursuant to PUC § 399.16(b)-(c), as implemented by the CEC Enforcement Procedures, electricity products associated with contracts or ownership agreements that were executed after June 1, 2010 must be classified into the following three PCCs:

PCC1: Electricity products that are procured as bundled and that are associated with an eligible renewable energy resource that either: (1) has its first point on interconnection within a California balancing authority ("BA"); (2) has its first point of interconnection to a distribution system used to serve end users within a California BA; (3) is scheduled into a California BA without substituting electricity from another source; or (4) is dynamically transferred into a California BA.

PCC2: Electricity products that are procured as bundled and that are associated with an eligible renewable energy resource that is located within the WECC but outside of a California BA, and for which the renewable energy is matched with an equal amount of incremental energy that is scheduled into a California BA.

PCC3: All electricity products that are associated with eligible renewable energy resources, but that do not meet the definition of PCC1 or PCC2.

C. <u>Portfolio Balance Requirements Applicable to Procurement Associated with Post</u> June 2010 Contracts and Ownership Agreements

Pursuant to PUC § 399.16(c), as implemented by the CEC Enforcement Procedures, the following portfolio balance requirements are applicable to all electricity products that are credited towards the RPS Procurement Quantity Requirements that are associated with contracts or ownership agreements executed after June 1, 2010:

	Compliance Period 1	Compliance Period 2	Compliance Period 3	Subsequent Annual
PCC1	≥ 50%	≥ 65%	≥ 75%	≥ 75%
PCC2	No Limitation	No Limitation	No Limitation	No Limitation
PCC3	≤ 25%	≤ 15%	≤ 10%	≤ 10%

Section 6: Status of RPS Procurement Efforts

A. <u>Transferred from Western Area Power Administration</u>

As part of its full load service contract with Western Area Power Administration ("Western"), IE receives RECs associated with electricity produced at small hydro facilities. Through October 2013 IE received 433 PCC0 RECs that will be used to meet IE's Compliance Period 1 obligations.

B. Purchase of Unbundled Renewable Energy Credits RECs

As one of the smallest POU's in California and burdened with aging facilities it inherited from the US Navy, IE recognized that it would need to establish cost limitations and that these cost limitations would prevent it from achieving its RPS procurement targets. In the belief that its cost limitations would allow it to reduce its portfolio balance requirements for PCC1 and PCC2, IE's initial procurement plan, adopted in December 2011, allowed IE to procure only unbundled PCC3 RECs to meet its total RPS procurement obligation for the first compliance period. Subsequent to the adoption of the initial procurement plan, IE purchased 6,800 PCC3 RECs from OneEnergy, Inc in July 2012 and another 3,500 PCC3 RECs from the same company in May 2013.

C. October 2013 Purchase of PCC 1 Resources

In late summer 2013, Island Energy recognized two problems with its initial RPS Procurement plan. The final CEC Enforcement Procedures made it clear that IE could not rebalance its individual PCC requirements to allow it to purchase only PCC3 RECs. IE's other issue was the lower than anticipated costs of PCC3 RECs. After including only the cost of the maximum allowable amount of PCC3 RECs and other direct compliance costs, IE recognized it needed to spend an additional \$55,000 to reach its cost limitations for the first compliance period. IE contracted with Iberdrola Renewables to procure as much PCC1 resources as could be obtained with the unspent portion of its cost limitations. The Iberdrola contract required IE to join the WSPP and pay its membership fee of \$25,000.

D. Whitney Point Project Power Purchase Agreement

In December 2014 Island Energy entered into a Power Purchase Agreement (PPA) committing to 2.5 MW of the 20 MW Whitney Point solar project in the southern San Joaquin Valley. The project is expected to come online in Mid-2016 at which time IE will receive approximately 7,000 MWh of PCC 1 resources per year. Based on our current load forecast, we expect this PPA to fulfill Island Energy's entire non-PCC 3 RPS obligation for the third compliance period.

E. Compliance Period 2 RPS Purchase Plans

The Whitney Point Project is scheduled to come online mid-2016 and its output will be used to meet some of IE's RPS requirements for compliance period 2. Subject to IE's cost limitations, IE will acquire the balance of its Compliance Period 2 RPS requirements with short-term contracts purchased on the market or acquire through Western Area Power Administration, IE's Full Load Service Contract provider for electricity.

Section 6: Application of Banking Rules

Pursuant to PUC § 399.30(d)(1), and consistent with Section 8 of the RPS Enforcement Plan, the PPC Board adopts the following rules for excess procurement:

- A. IE may apply excess procurement in one compliance period to a subsequent compliance period, subject to the following limitations:
 - Electricity products that exceed the maximum limit for Portfolio Content Category 3, as specified in PUC § 399.16(c), must be subtracted from the calculation of excess procurement.
 - 2. Electricity products procured under contracts of less than 10 years in duration shall be subtracted from the calculation of excess procurement, unless the electricity product meets the grandfathering requirements of PUC § 399.16(d).
- B. IE may begin accruing excess procurement as of January 1, 2011.
- C. Excess procurement meeting these requirements may be applied to any future compliance period and shall not expire.

Section 7: Application of Flexible Compliance Mechanisms

A. Cost Limitation

- 1. Cost Limitation Rule: In establishing a cost limitation, the PPC Board shall ensure that:
 - i. The limitation is set at a level that prevents disproportionate rate impacts.
 - ii. The costs of all procurement credited toward achieving the renewables portfolio standard are counted towards the limitation.
 - iii. Procurement expenditures do not include any indirect expenses, including imbalance energy charges, sale of excess energy, decreased generation from existing resources, transmission upgrades, or the costs associated with relicensing any utility-owned hydroelectric facilities.

- 2. Relevant Factors. The following factors are relevant to PPC's adoption of cost limitations for IE and potential application of cost limitations to reduce the amount of Eligible Renewable Energy Resources that IE may procure to meet its RPS obligation:
 - i. IE is one of the five smallest POUs in California and has been in operation less than 20 years. The facilities IE operates were originally installed by the US Navy to support the operations of a large industrial ship building and repair operation. The current load is less than a tenth the size of that for which the system was built. The oversized and aging nature of the system has led to system losses of 20% and an unacceptable level of reliability. IE has incurred significant costs to repair and right size the system and it may not able to procure Eligible Renewable Energy Resources in volumes sufficient to satisfy its RPS targets without imposing disproportionate rate impacts on the City's customers.
 - ii. Prior to calendar year 2014, IE had have negative operating income and only began making interest payments on its outstanding infrastructure debt in 2013.
 - iii. IE's rates cannot exceed those of Pacific Gas & Electric, whose area completely surrounds IE, without creating a disproportionate rate impact on its customers. IE's service territory is restricted to Mare Island in Vallejo. Vallejo looks to Mare Island to be its economic driver as the City seeks to re-establish itself following its emergence from bankruptcy. A rate disparity between IE and PG&E is not just a disproportionate rate impact to IE's customers but inhibits the economic prospects for the entire city.
- 2. Information Reviewed Pursuant to PUC § 399.30(d)(3), and consistent with Section 9 of the RPS Enforcement Plan, the IE Board has relied on the following information to establish a limitation on the procurement expenditures for all RPS-eligible resources in the first compliance period:
 - i. The information contained in the initial and this RPS Procurement Plan:
 - ii. The expected cost of building, owning and operating an RPSeligible resource;
 - iii. The potential that some planned resource additions may be delayed or cancelled.
- 3. Establishment of Initial Cost Limitation Island Energy's cost limitations are based on the difference between the projected cost of conventional energy resources and the projected cost of Eligible Renewable Energy Resources ("Incremental RPS Procurement Cost"). The PPC Board established a limitation on IE's Incremental RPS Procurement Costs for all RPS-eligible resources in the first compliance period of \$20,000 per year for the first compliance period ("Initial Cost Limitation"). The Board considered the Relevant Factors and Information Reviewed when it first established the cost limitation December 2011. After reconsidering these factors and this information, it hereby confirms the Initial Cost Limitation.

For the first compliance period, IE is not obligated to expend any funds on RPS procurement in excess of the Initial Cost Limitation.

- 4. Establishment of Cost Limitation for Compliance Period 2, Compliance Period 3 and thereafter The PPC Board establishes a limitation on IE's Incremental RPS Procurement Costs for all RPS-eligible resources at a base minimum of \$20,000 per year for Compliance Period 2 and beyond. The effective cost limitation for each year will be the maximum of (1) the base minimum plus the revenue generated from greenhouse gas allowance auctions from the previous year less the cost of allowances purchased during that year or (2) IE's forecasted electric revenues less its forecasted electric expenses not including the cost of any RPS purchase. For the purposes of this calculation, electric expenses include all costs associated with operating its electric distribution system including depreciation and debt service.
- 5. Effect of Exceeding Cost Limitation If the effective cost limitation is insufficient to support the projected costs of meeting the IE's RPS targets, the IE may refrain from executing any further contracts for eligible renewable energy resources.

B. Modification of the Portfolio Content Category Requirements

Consistent with PUC § 399.16(e), and as described in Section 6 of the RPS Enforcement Plan, the PPC Board may modify the minimum and maximum requirements in PUC § 399.16(c) for the various portfolio content categories ("PCC Requirements") if the PPC demonstrates that IE cannot comply with the PCC Requirements because of: (a) conditions beyond the control of IE due to any of the conditions set forth in PUC § 399.15(b)(5), PUC § 399.15(c), or other conditions adopted by the Board based on facts reasonably found by the Board to be consistent with the intent of PUC § 399.15(b)(5), PUC § 399.15(c), or PUC § 399.18 and the unique circumstances facing the IE as a small POU.



OFFICE OF THE CITY MANAGER/EXECUTIVE DIRECTOR 65 Civic Avenue Pittsburg, CA 94565

DATE:

12/3/2014

TO:

Chair and Agency Members

FROM:

Joe Sbranti, Executive Director

SUBJECT:

Adoption of a Pittsburg Power Company Resolution to Adopt the Revised Renewable Energy Resources Procurement Plan for Island

Energy

MEETING DATE: 12/15/2014

EXECUTIVE SUMMARY

By Resolution 13-287, the Pittsburg Power Company (PPC) adopted a Revised Renewable Energy Resources Procurement Plan (RPS Procurement Plan) for Island Energy. The RPS Procurement Plan needs to be revised again to amend the cost limitations provisions and update its strategies for acquiring the necessary renewable energy to fulfill Island Energy's RPS obligations.

FISCAL IMPACT

The previously adopted RPS Procurement Plan set forth the renewable energy procurement requirement, subject to cost limitations, to purchase a growing portion of its electricity from renewable sources. Island Energy's increased sales and power loss reduction have improved its financial condition to the point where its cost limitations for the procurement of RPS resources needs to be increased. Full compliance with RPS requirements will add \$60,000 to \$80,000 to Island Energy's existing RPS procurement costs. It is expected that Island Energy's operating income will sustain the additional costs of RPS procurement and the revised cost limitations will not excuse Island Energy from these additional expenditures.

RECOMMENDATION

PPC Board open the public hearing, take testimony, close the public hearing and approve the attached revised Pittsburg Power Company Renewable Energy Resources Procurement Plan Applicable to Island Energy. If approved, the resolution authorizes the Executive Director to make minor technical modifications to the plan and take actions that are necessary to carry out the plan, including the execution of contracts to purchase RPSeligible renewable energy resources.

BACKGROUND

On December 19, 2011, the PPC Board approved Resolution 11-258 adopting the PPC Renewable Portfolio Standard Enforcement Plan Applicable to Island Energy (Enforcement Plan) in compliance with SB 2 – 1X, California's 33% Renewable Portfolio Standard (RPS) legislation. The Enforcement Plan defined three compliance periods, each with its own RPS target. The first compliance period, January 1, 2011 to December 31, 2013, has a procurement target of 20% of retail sales coming from RPS-eligible resources. By the end of compliance period 2, December 31, 2016, 25% of retail sales should come from RPSeligible resources. By the end of compliance period 3, December 31, 2020, 33% of retail sales should come from RPS-eligible resources with reasonable progress being made towards that goal in the preceding years. The RPS legislation defined categories of renewable resources called Portfolio Content Categories (PCC) and specified that certain percentages of the procurement targets should come from each of the categories. Complete definitions of the PCCs can be found in the revised RPS Procurement Plan and in the publicly-owned utilities (POU) Enforcement Procedures. In simple terms, the PCCs are defined as follows. Portfolio Content Category 1 (PCC1) resources are RPS-eligible resources scheduled for delivery into a California balancing authority. Portfolio Content Category 2 (PCC2) resources are RPS-eligible resources interconnected to the Western Electricity Coordinating Council (WECC) service territory. Portfolio Content Category 3 (PCC3) resources are unbundled renewable energy credits (RECs) associated with RPSeligible generation within the WECC service territory.

As required by the Enforcement Plan, the PPC Board originally adopted the RPS Procurement Plans by Resolution 11-256 on December 19, 2011 and adopted the Revised RPS Procurement Plan by Resolution 12-271 on December 17, 2012 and Resolution 13-287 on November 18, 2013. The RPS Procurement Plan has been updated to reflect changes in legislation and Island Energy's compliance strategies. Island Energy's improving financial condition makes it prudent to revise the Procurement Plan to update the cost limitations.

SUBCOMMITTEE FINDINGS

Staff has informed the PPC Subcommittee about the revision of Island Energy 's RPS Procurement Plan at PPC subcommittee meetings.

STAFF ANALYSIS

The previous RPS Procurement Plans established cost limitations that shielded rate payers from rate impacts due to the purchase of RPS resources. Island Energy's increased load and system loss reduction allow the utility to increase the cost limitations without affecting its rates. It is expected that the revised cost limitations will not prevent Island Energy from full adherence to its RPS purchase goals.

ATTACHMENTS: Resolution

Revised Pittsburg Power Company Renewable Energy Resources Procurement Plan for Island Energy

Report Prepared By: Peter Guadagni